CLAIMS

1. A gear arrangement, comprising a first gear (1) made of a first material and a second gear (2) made of a second material wherein the first and second gears are adjacent on a common shaft (4) and the elasticity of the first gear (1) is chosen to be greater than that of the second gear (2) while the strength of the second gear (2) is chosen to be greater than that of the first gear (1), wherein the first gear (1) and the second gear (2) sit on the shaft.

2. The gear arrangement of claim 1, comprising a third gear (3) made of the same material as the first gear (1) and sits loosely on the common shaft, on the side of the first gear (1) that is still free.

3. The gear arrangement of claim 1, wherein the gears having greater elasticity are made of plastic while the gears having less elasticity but greater strength are made of metal.

4. The gear arrangement of claim 3, wherein the gears having greater strength and having the same modulus exhibit a slightly smaller toothing than the gears having greater elasticity.

5. The gear arrangement of claim 4, wherein the teeth of the gears (1, 2, 3) arranged next to one another line up.

6. The gear arrangement of claim 4, wherein the gears (1, 2, 3) arranged next to one another are slightly offset relative to one another.

7. The gear arrangement of claim 6, wherein the gears (1, 2, 3) are helically toothed.

8. The gear arrangement of claim 7, wherein the first gear (1) and the second gear (2) sit on the common shaft (4) in such a way that they are able to turn relative to one another about their respective axes.

9. The gear arrangement of claim 8, wherein the first gear (1) and the second gear (2) are not connected to one another on their surfaces facing toward one another.

10. The gear arrangement of claim 9, wherein the first gear (1) and the second gear (2) are asymmetrically alignable relative to one another with respect to their toothing.